

INVERTER OMEGA

4000VA – 6000VA

Off Grid **VR II** Series Inverter



1PH 1PH

230 VAC

POWER FACTOR 1.0



SPECIFICATION

MODEL	OMEGA VR III 4000	OMEGA VR III 6000
PART NUMBER	TLINVOMVR40	TLINVOMVR60
RATED POWER	4000VA/4000W	6000VA/6000W
INPUT		
VOLTAGE	230 VAC	
SELECTABLE VOLTAGE RANGE	170-280 VAC (FOR PERSONAL COMPUTERS) 90-280 VAC (FOR HOME APPLIANCES)	
FREQUENCY RANGE	50 HZ/60 HZ (AUTO SENSING)	
OUTPUT		
AC VOLTAGE REGULATION (BATT. MODE)	230VAC ± 5%	
SURGE POWER	8000VA	12000VA
EFFICIENCY (PEAK) BAT TO INV	93.5%	
EFFICIENCY (PEAK) PV TO INV	97%	
TRANSFER TIME	10 MS (FOR PERSONAL COMPUTERS) 20 MS (FOR HOME APPLIANCES)	
WAVEFORM	PURE SINE WAVE	
SOLAR CHARGER & AC CHARGER		
MAXIMUM PV ARRAY OPEN CIRCUIT VOLTAGE	500 VDC	
MAXIMUM PV ARRAY POWER	5000W	6000W
MPP RANGE @ OPERATING VOLTAGE	60 ~ 450 VDC	
MAXMUM SOLAR CHARGE CURRENT	120A	
MAXIMUM AC CHARGE CURRENT	100A	
MAXIMUM CHARGE CURRENT	120A	
MAXIMUM EFFICIENCY	98%	

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BATTERY		
BATTERY VOLTAGE	24 VDC	48 VDC
FLOATING CHARGE VOLTAGE	27 VDC	54 VDC
OVERCHARGE PROTECTION	33 VDC	63 VDC
BATTERY TYPE	LITHIUM - LEAD ACID	
PHYSICAL		
DIMENSION W X D×H (MM)	348 X 270 X 95	
NET WEIGHT (KG)	8.5	9
OPERATING ENVIRONMENT		
HUMIDITY	0 ~ 95% (NON-CONDENSING)	
OPERATING TEMPERATURE	0°C TO 55°C	
STORAGE TEMPERATURE	-15°C TO 60°C	
DISPLAY AND COMMUNICATION		
DISPLAY	LCD	
INTERFACE	RS485 , CAN + OPTIONAL : WIFI , BLUETOOTH	
SAFETY STANDERD	EN/IEC 62109-1,EN/IEC 62109-2	
PROTECTION & FEATURE		
AC OVERCURRENT	YES	
AC OVERVOLTAGE	YES	
Over – heat protection	YES	
Smart load management	YES	
BMS	YES	
Two outputs function	YES	